BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: **Estimate for Construction of Additional hall on Ward Office Building and Improvements of Roads and Drains at Kodigehalli in Ward No. 08.**

	008-19-000037		P-3522			Est Cost:		6000000.00	
Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH Specification No. 202 **Page No. 140, Item No. 18.47, PWD SR 2018-19**	Cum							
	1st Cross Kempegowda Layout		1	130.00	4.60	0.20	119.60		
	Patelamma Temple Road		1	21.00	2.20	0.20	9.24		
	Mahalakshmi Provision Store Road		1	57.00	4.10	0.20	46.74		
			1	48.00	2.50	0.20	24.00		
	Swetha Provision Store Road		1	20.00	3.50	0.20	14.00		
			1	48.00	4.00	0.20	38.40		
	near BBMP Office		1	21.10	18.30	0.20	77.23		
	near BBMP Office		1	40.00	6.00	0.20	48.00		
			1	12.00	2.20	0.20	5.28		
	Basic Rate	899.00					**382.49**	1059.02	**405060.00**
	Area Weightage @ 6%	53.94							
	Total	**952.94**							
	Add loading and unloading Charges **It No 17.1 KSRRB M 100-1**	68.00							
	Average weight of earth 1.28 tonne / kg for 11.90 Km = 1.28 T X 11.90Km X 2.5 Tonne / km = 38.08	38.08							
		1059.02							
2	KSRB 2-1.1 : Earthwork in surface excavation in **ordinary soil** for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1(a) / 2.3.1 **Page No. 6 / Item No. 2.1 of PWD SR 2018-19**	Cum							
	1st Cross Kempegowda Layout		1	130.00	4.60	0.15	89.70		
	Patelamma Temple Road		1	21.00	2.20	0.15	6.93		
	Mahalakshmi Provision Store Road		1	57.00	4.10	0.15	35.06		
			1	48.00	2.50	0.15	18.00		
	Swetha Provision Store Road		1	20.00	3.50	0.15	10.50		
			1	48.00	4.00	0.15	28.80		
	near BBMP Office		1	21.10	18.30	0.15	57.92		
	near BBMP Office		1	40.00	6.00	0.15	36.00		
			1	12.00	2.20	0.15	3.96		
	Desilting of Drains								
	Mahalakshmi Provision Store Road		2	57.00	0.45	0.45	23.09		
			1	48.00	0.45	0.45	9.72		
	Basic Rate	249.00					**319.67**	370.02	**118284.00**
	Area Weightage @ 6%	14.94							
	Total	**263.94**							
	Add loading and unloading Charges **It No 17.1 KSRRB M 100-1**	68.00							
	Average weight of earth 1.28 tonne / kg for 11.90 Km = 1.28 T X 11.90Km X 2.5 Tonne / km = 38.08	38.08							
		370.02							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
3	KSRB 4-1.2 : Providing and laying in position **plain cement concrete of mix 1:3:6** with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, **in foundation** including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. **(Page No. 13 / Item No. 4.2 PWD SR 2018-19**	Cum							
	1st Cross Kempegowda Layout		1	130.00	4.60	0.15	89.70		
	Patelamma Temple Road		1	21.00	2.20	0.15	6.93		
	Mahalakshmi Provision Store Road		1	57.00	4.10	0.15	35.06		
			1	48.00	2.50	0.15	18.00		
	Swetha Provision Store Road		1	20.00	3.50	0.15	10.50		
			1	48.00	4.00	0.15	28.80		
	near BBMP Office		1	21.10	18.30	0.15	57.92		
	near BBMP Office		1	40.00	6.00	0.15	36.00		
			1	12.00	2.20	0.15	3.96		
							286.86	5505.64	**1579373.00**
	Basic Rate	5194.00							
	Area Weightage @ 6%	311.64							
	Total	**5505.64**							
4	Construction of un-reinforced plain cement concrete pavement, using grade concrete M30 over a prepared base with OPC course aggregate at 0.69 cum fine aggregates at 0.46 cum course and fine aggregtes confirming to IS : 383-2016, with superplastisiser @3lts confirming to IS9103-1999 mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. **(with OPC 320Kg per cum GGBS 40 Kg/cum confirming to**	Cum							
	1st Cross Kempegowda Layout		1	130.00	4.60	0.15	89.70		
	Patelamma Temple Road		1	21.00	2.20	0.15	6.93		
	Mahalakshmi Provision Store Road		1	57.00	4.10	0.15	35.06		
			1	48.00	2.50	0.15	18.00		
	Swetha Provision Store Road		1	20.00	3.50	0.15	10.50		
			1	48.00	4.00	0.15	28.80		
	near BBMP Office		1	21.10	18.30	0.15	57.92		
	near BBMP Office		1	40.00	6.00	0.15	36.00		
			1	12.00	2.20	0.15	3.96		
							286.86	5128.28	**1471121.00**
	Basic Rate	4838.00							
	Area Weightage @ 6%	290.28							
	Total	**5128.28**							
5	Removing and refixing stone slabs of drains and pointing in CM (1:3) **Page No. 27 / Item No. 5.33 PWD SR 2018-19**	Sqm							
	BS Slab Drain								

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Singapura		2	140.00		1.35	378.00		
			2	60.00		1.35	162.00		
							540.00	111.30	**60102.00**
	Basic Rate	105.00							
	Area Weightage @ 6%	6.30							
	Total	**111.30**							
6	Providing granite slabs of selected quality roughly dressed havinf a size of 7.5 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete **Page No. 27 / Item No. 5.31.1 PWD SR 2018-19**	Sqm							
	Damaged Slabs & Missing Slabs 10%			Vide Item No. 2			54.00		
	Basic Rate	700.00					**54.00**	742.00	**40068.00**
	Area Weightage @ 6%	42.00							
	Total	**742.00**							
7	KSRB 5-14 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 **Page No. 27 / Item No. 5.26.2, PWD SR 2018-19**	Sqm							
			2x2	140.00		0.40	224.00		
			2x2	60.00		0.40	96.00		
	Basic Rate	924.00					**320.00**	979.44	**313421.00**
	Area Weightage @ 6%	55.44							
	Total	**979.44**							
8	KSRB 4-1.6 ; Providing and laying in position **plain cement concrete of mix 1:2:4** with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. **Page No.13, Item No. 4.6 PWD SR 2018-19**	Cum							
	Culvert Coping		10	6.00	1.50	0.10	9.00		
	Ramp		2x10	6.00	1.00	0.15	18.00		
	Vent Concrete								
			2	140.00	0.45	0.10	12.60		
			2	60.00	0.45	0.10	5.40		
	Flagging Course								
			2x2	140.00	0.20	0.10	11.20		
			2x2	60.00	0.20	0.10	4.80		
	Ramp								
			2	140.00	0.30	0.10	8.40		
			2	55.00	0.30	0.10	3.30		
	Basic Rate	5422.00					**72.70**	5747.32	**417830.00**
	Area Weightage @ 6%	325.32							
	Total	**5747.32**							

9	Providing and fixing **RCC precast cover slab of 100mm thick** of drain in cment concrete M20 using graded jelly 20 mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides, transportation, loading unloading, etc.,complete as per the direction of engineer in charge - Data rate	Sqm						
			270	0.60	0.90	145.80		
			2	145.00	0.90	261.00		
						406.80	2337.00	**950692.00**
	Sub Total							**5355951.00**
	GST @ 12%							**642714.00**
	Miscellaneous and unforeseen charges	LS						**1335.00**
							Total	**6000000.00**

Rupees Sixty Lakh(s) Only

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per P.W.D S.R of 2018-19.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 08

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Kodigehalli Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

ADMINISTRATIVE APPROVAL
Accorded For Rs. 60.00 lakhs only
Head of A/c. P3522
Div. Ref. No. 85 Date 30-10-19
AE
EE(BTP) 30/10

Technical Sanction
Accorded For Rs. 60.00 lakhs only
Head of A/C P3522.
CER NO 247 Dt 08.11.2019
AA
CE (YNK)